

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

SECTIONS 7.1 & 7.2 PRACTICE

Solve the proportion.

$$① \frac{x}{21} = \frac{1}{3}$$

$$② \frac{-5}{x} = \frac{20}{8}$$

$$③ \frac{7}{x+5} = \frac{28}{8}$$

$$④ \frac{11}{2} = \frac{x+6}{x-4}$$

$$⑤ \frac{x}{5} = \frac{8}{x-6}$$

$$⑥ \frac{x}{2} = \frac{8}{x}$$

$$⑦ \frac{4x}{5} = \frac{2x+6}{3}$$

$$⑧ \frac{3}{x+2} = \frac{x}{8}$$

Solve each problem below using the given information.

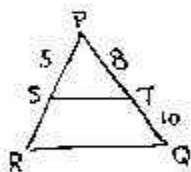
1) The measures of the angles in a quadrilateral are in the ratio 3:4:5:6. Find the measure of each angle.

2) The perimeter of an isosceles  $\Delta$  is 35 cm. The sides are in the ratio 1:3:3. Find the length of the base.

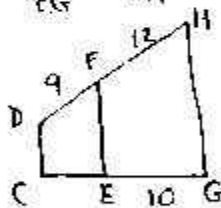
3) The perimeter of a rectangle is 84 ft. The ratio of the width to the length is 2:5. Find the length of the longer side.

Use the diagram & the given information to find the unknown length.

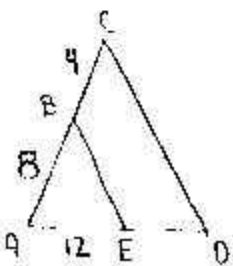
4)  $\frac{PS}{SR} = \frac{PT}{TQ}$  Find SR.



7)  $\frac{CE}{EG} = \frac{DF}{FH}$  Find CE.



8)  $\frac{AB}{BC} = \frac{AE}{ED}$  Find ED.



23)  $\frac{QU}{UT} = \frac{QR}{RS}$  Find RS.

